EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER

2000064053

PUBLICATION DATE

29-02-00

APPLICATION DATE

14-08-98

APPLICATION NUMBER

10244399

APPLICANT: SEIKO INSTRUMENTS INC;

INVENTOR:

KOYAMA YUTAKA;

INT.CL.

C23C 16/503 C23C 16/509 C01B

21/068 C01B 31/02 C01B 31/36 C01B

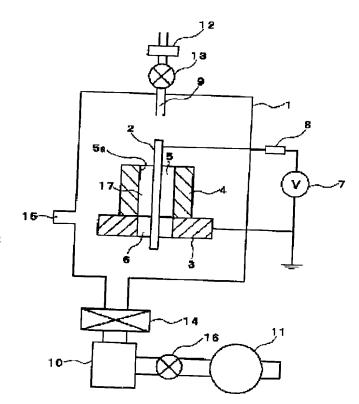
33/04 F16C 33/12

TITLE

FORMATION OF HYDROGENATED AMORPHOUS THIN FILM, DEVICE

USED THEREFOR, GAS DYNAMIC PRESSURE BEARING IN WHICH THE

THIN FILM IS FORMED, SPINDLE MOTOR AND ROTOR DEVICE



ABSTRACT :

PROBLEM TO BE SOLVED: To uniformly cover and form a hydrogenated amorphous thin film on the inner circumferential face of a recessed depression part at the time of subjecting a body to be treated having a recessed depression part to thin film forming treatment by a plasma CVD method.

SOLUTION: A body 4 to be treated stored in a vacuum tank 1 is placed to be supported onto the upper face of a planar electrode 3, a rod-shaped electrode 2 is inserted into the recessed depression part 5 of the body 4 to be treated, a reaction gas is introduced into the vacuum tank 1, and voltage is applied thereto. Plasma is generated in the recessed depression part 5, and a hydrogenated amorphous thin film uniformly covers and formed on the inner curcumferential face 5a of the recessed depression part.

COPYRIGHT: (C)2000,JPO